LIST OF ALL GREENBOOKS DATASETES # 1-5
BY PROVINCE
CMC/P.

** NAME OF PROVINCE = BADAKHSHAN

Datasets:	District:	Village:	Party:	Type:	Level:	Number of Books...
1	JURM	CHARYAKA	JAMIAT	MTA	MIDLV	
1	KESHAM	SABAZ DARA	JAMIAT	MTA	MIDLV	
1	FAIZABAD	GUZARI GHANI	JAMIAT	MTA	MIDLV	
1	FAIZABAD	GUZARI GHANI	JAMIAT	MTA	MIDLV	
2	CENTER	GOZAR GHANI	JAMIAT	MTA	MIDLV	
2	CENTER	YAFTAL BALA	JAMIAT	MTA	MIDLV	
2	CENTER	YAFTAL BALA	JAMIAT	MTA	MIDLV	

** Subtotal **

** NAME OF PROVINCE = BAGHLAN

Datasets:	District:	Village:	Party:	Type:	Level:	Number of Books...
	ANDARAB	DEHYAK	JAMIAT	FM	MIDLV	
	KHOST	LARWAN	JAMIAT	FM	MIDLV	
4	NAHRIN	KOHNAQALA	HIZBE H	FM	MIDLV	
5	CENTER	CENTER	HARAKAT	SCA	OTHER	
5	ANDARAB	SANPAL	NIFA	SCA	OTHER	
5	KHOSTE FERING	KHUSH DARAH	HAZEB-H	SCA	OTHER	

** Subtotal **

** NAME OF PROVINCE = BALKH

Datasets:	District:	Village:	Party:	Type:	Level:	Number of Books...
5	NAHRISHAHI	KHASAPAS	JAMIAT	SCA	NURSE	
5	MAZARISHARIF	DARWAZA SHADYAN	JAMIAT	SCA	A.MED	

** Subtotal **

** NAME OF PROVINCE = BAMYAN

Datasets:	District:	Village:	Party:	Type:	Level:	Number of Books...
4	WARAS/CHEJAIN	CHEJAIN	HARAK M	FM	MIDLV	
4	SHEBAR	ARAQ ALIA	HARAKAT	FM	MIDLV	

** Subtotal **

** NAME OF PROVINCE = FARAH

Datasets:	District:	Village:	Party:	Type:	Level:	Number of Books...
4	PURCHAMAN	MUSHKAN	HIZBE H	FM	MIDLV	
5	CENTER	NAWDEH	HARAKAT	SCA	SD.MD	
5	CENTER	NAWDEH	HARAKAT	SCA	SD.MD	
5	ANARDARA	CENTER	JAMIAT	SCA	MD	
5	ANARDARA	CENTER	JAMIAT	SCA	MD	

** Subtotal **

** NAME OF PROVINCE = FARYAB

Datasets:	District:	Village:	Party:	Type:	Level:	Number of Books...
1	PASHTOONKOT	SARI HAWZ.	HARAKAT	MTA	MIDLV	
1	PASHTOONKOT	SARI HAWZ	HARAKAT	SCA	MIDLV	
5	MAIMANA	KOHIKHANAN	JAMIAT	SCA	NURSE	

LIST OF ALL GREENBOOKS DATASETES # 1-5
BY PROVINCE
CMC/P.

Datasets:	District:	Village:	Party:	Type:	Level:	Number Books..
5	MAIMANA	JAMSHIDI	JAMIAT	SCA	OTHER	
5	QAISAR	NAJAK	NIFA	SCA	OTHER	
** Subtotal **						
** NAME OF PROVINCE = GHAZNI						
2	ANDER	CHARDIWAL	HARAKAT	NCA	D.AS	
2	ANDER	CHARDIWAL	HARAKAT	NCA	D.AS	
2	ANDER	CHARDIWAL	HARAKAT	NCA	NURSE	
2	ANDER	CHARDIWAL	HARAKAT	NCA	D-DR	
2	ANDER	CHARDIWAL	HARAKAT	NCA	MD	
2	ANDER	CHARDIWAL	HARAKAT	NCA	MD	
[illegible]	ANDER	CHARDIWAL	HARAKAT	NCA	MD	
[illegible]	ANDER	CHARDIWAL	HARAKAT	NCA	PHARM	
2	DEH YAK	RAMAK	NIFA	SCA	OTHER	
2	JAGHATU	RASHIDAN	HIZBE	SCA	NURSE	
2	CENTER	GADOOL	JAMIAT	SCA	MD	
3	JAGHATU		HIZBE	SCA	MD	
3	ANDER		HIZBE	SCA	MD	
3	CENTER		HIZBE	SCA	NURSE	
** Subtotal **						
** NAME OF PROVINCE = GHOR						
4	LAL SARJANGAL	DEHANGUL	HARAK M	FM	MIDLV	
5	TAIWARA	NILY	JAMIAT	SCA	MD	
5	PASWAND	PIRAK	JAMIAT	SCA	OTHER	
** Subtotal **						
** NAME OF PROVINCE = HELMAND						
	BAGHRAN	SARBAGH	HIZBE H	FM	MIDLV	
[illegible]	GERISHK	DEHADAM	JAMIAT	SCA	OTHER	
5	GERISHK	DEAHADAM	HARAKAT	SCA	OTHER	
** Subtotal **						
** NAME OF PROVINCE = HERAT						
4	BUSHTOON ZARGHON	KHEDAJ	JAMIAT	FM	MIDLV	
4	OBEY	MARKAZ	JAMIAT	FM	MIDLV	
4	ANJEL	TALAB	JAMIAT	FM	MIDLV	
4	ZENDAJON	DEHSORDH	JAMIAT	FM	MIDLV	
4	OBEY	CENTER	JAMIAT	FM	MIDLV	
5	SOZARA	SOZARA	JAMIAT	SCA	OTHER	

LIST OF ALL GREENBOOKS DATASETES # 1-5
BY PROVINCE
CMC/P.

Datasets:	District:	Village:	Party:	Type:	Level:	Number of Books..
.						
** Subtotal **						
** NAME OF PROVINCE = JAWZJAN						
3	SANG CHARAK		JAMIAT	SCA	NURSE	
4	AGHCHA	FAIZABAD	JAMIAT	FM	MIDLV	
5	SANG CHARAK	FARASHGHAN	JAMIAT	SCA	NURSE	
5	SANG CHARAK	FARASHGHAN	JAMIAT	SCA	NURSE	
** Subtotal **						
** NAME OF PROVINCE = KABUL						
	PAGHMAN	DARAIZARGAR	ANLF	MTA	MIDLV	
1	CHARDEHI	QALAIGHAIBI	JAMIAT	MTA	MIDLV	
2	CHARDEHI	TOTOR PAI KHAIL	ALJIHAD	SCA	NURSE	
2	CHARASYAB	KHAIR ABAD	NIFA	SCA	OTHER	
2	STALIF	SHAHRI NOW	JAMIAT	SCA	MD	
2	PAGHMAN	BIGTOT	JAMIAT	SCA	MD	
2	CHARASYAB	CITY	HIZBE	SCA	NURSE	
3	SHAKAR DARAH		HIZBE	SCA	NURSE	
3	CHARDEHI		HIZBE	SCA	MD	
4	SHAKER DARAH	HAJI PAIK	JAMIAT	FM	MIDLV	
** Subtotal **						
** NAME OF PROVINCE = KANDAHAR						
2	ARGHANDAB	KHWAJA MALIK		SCA	NURSE	
5	CENTER	CENTER	IIA	SCA	MD	
** Subtotal **						
* NAME OF PROVINCE = KAPISA						
1	MOHD RAQI	KHAIR KHWAJA	JAMIAT		MD	
2	KOHISTAN	KAISHAKHAN	HIZBE	SCA	OTHER	
4	KAPISA	DOBATI	JAMIAT	FM	MIDLV	
** Subtotal **						
** NAME OF PROVINCE = KONAR						
1	PICH	SHAMOND	IIA	SCA	OTHER	
2	NOORISTAN		NIFA	SCA	MD	
3	CENTER		HIZBE	SCA	NURSE	
4	KANTIWA	KANTIWA	HIZBE H	FM	MIDLV	
5	KOZ KUNAR	SHIGAI	HARAKAT	SCA	MD	

LIST OF ALL GREENBOOKS DATASETES # 1-5
BY PROVINCE
CMC/P.

Datasets:	District:	Village:	Party:	Type:	Level:	Number Books.
** Subtotal **						
** NAME OF PROVINCE = KUNDUZ						
4	MALARGHI	MALARGHI	HIZBE H	FM	MIDLV	
4	CENTER	MALARGHI	HIZBE H	FM	MIDLV	
5	KHANABAD	CENTER	IIA	SCA	MD	
5	KHANABAD	CENTER	IIA	SCA	MD	
5	KHANABAD	CITY	HAZEB-K	SCA	NURSE	
** Subtotal **						
* NAME OF PROVINCE = LAGHMAN						
2	ALINGAR	PARNAI	HIZBE	SCA	NURSE	
3	QARGHAEE		HIZBE	SCA	MD	
3	ALINGAR		HIZBE	SCA	NURSE	
4	ALISHING	DAWHATSHA	JAMIAT	FM	MIDLV	
4	ALISHING	DAWHATSHA	HARAKAT	FM	MIDLV	
4	ALINGAR	KOHKHAIL	HIZBE H	FM	MIDLV	
5	MEHTARLAM	PASHAYE	IIA	SCA	OTHER	
** Subtotal **						
** NAME OF PROVINCE = LOGAR						
2	CHARKH	ALIF KHAN	HARAKAT	SCA	OTHER	
2	MOHD AGHA	DEH NOW	HIZBE	SCA	MD	
2	MOHD AGHA	SAFED SANG	NIFA	SCA	NURSE	
2	BARAKI	CHORKH	HIZBE	SCA	NURSE	
3	BARAKI		HARAKAT	SCA	NURSE	
3	MOHD AGHA		HIZBE	SCA	MD	
3	KOLANGAR		HIZBE	SCA	NURSE	
	KOLANGAR		HIZBE	SCA	MD	
4	BARAKI	CHALTAN		FM	MIDLV	
** Subtotal **						
** NAME OF PROVINCE = NANGARHAR						
1	ACHIN	DIH HESARAK	NIFA		OTHER	
1	RODAT	HESARE SHAHI	H.I.A.H		OTHER	
2	KHOGIANI	TOTO	HIZBE	SCA	OTHER	
2	SORKHROAD	BALA BAGH	HIZBE K	SCA	OTHER	
2	KAJA	ZAWA	HIZBE	SCA	OTHER	
3			HIZBE	SCA	NURSE	
3	KHOGIANI		JAMIAT	SCA	OTHER	
3	KHOGIANI		NIFA	SCA	MD	
3	SURKHROAD		HIZBE	SCA	MD	

LIST OF ALL GREENBOOKS DATASETES # 1-5
BY PROVINCE
CMC/P.

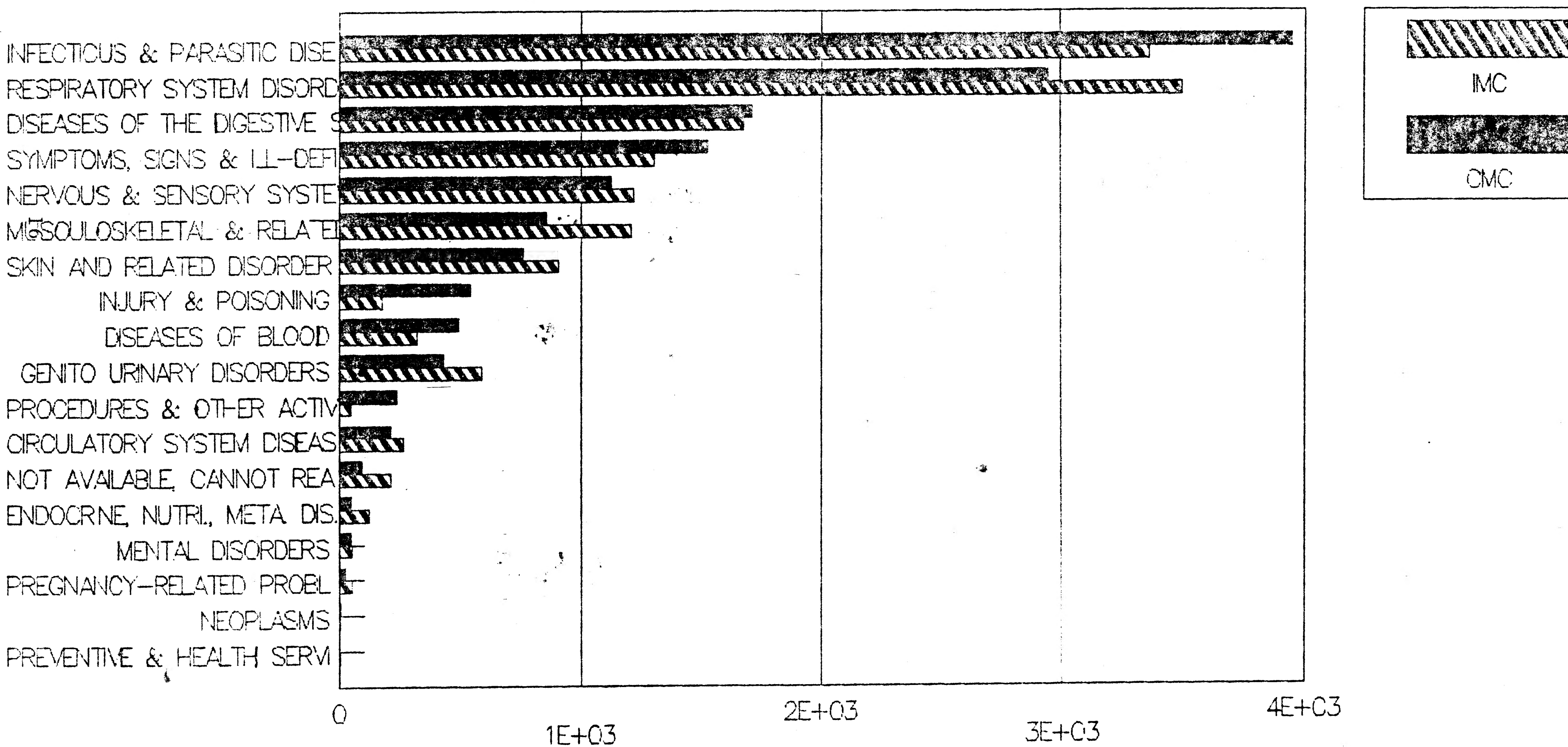
Datasets:	District:	Village:	Party:	Type:	Level:	Number Books..
** Subtotal **						
** NAME OF PROVINCE = ORUZGAN						
1	KHAS ORUZGAN	KHARDI	NIFA		OTHER	
4	SHARISTAN	BARKAR	HARAKAT	FM	MIDLV	
5	DAIKONDI	BANDAR	NERO IS	SCA	OTHER	
** Subtotal **						
** NAME OF PROVINCE = PAKTEKA						
1	ORGON	SHORON	JAMIAT	MTA	MIDLV	
	KATAWAZ	NAWAGALA	IIA	FM	MIDLV	
4	URGOUN	JANATKHIL	JAMIAT	FM	MIDLV	
4	URGOUN	ZERUK	JAMIAT	FM	MIDLV	
4	URGOUN	ZERUA	JAMIAT	FM	MIDLV	
4	URGOUN	NIKATORKHIL	JAMIAT	FM	MIDLV	
4	URGOUN	NIKATORKHIL	JAMIAT	FM	MIDLV	
4	URGOUN	JANIKHAIL	JAMIAT	FM	MIDLV	
4	URGOUN	JANIKHAIL	JAMIAT	FM	MIDLV	
** Subtotal **						
** NAME OF PROVINCE = PAKTYA						
1	SAMKANI	PERKALAI	NIFA		MD	
1	SPIRA	GHORMA	JAMIAT	MTA	MIDLV	
1	SAID KARAM		H.I.A.H		OTHER	
1	JAJI	LAR LEWANI	H.I.A.H	FM	MIDLV	
2	JANIKHAIL	KOHSIN KHWLA	IIA	MTA	MD	
2	KHOST	BURANKHAIL	NIFA	MTA	OTHER	
2	CHAMKANI	PIR KALAI	NIFA	SCA	MD	
	SAYED KARAM	CENTER	HIZBE	SCA	NURSE	
2	JANIKHAIL	BAZIKHAIL	NIFA	SCA	OTHER	
3	JANIKHAIL		HIZBE	SCA	NURSE	
3	CHAMKANI		HIZBE	SCA	MD	
3	URGOUN		NIFA	SCA	OTHER	
3	JANIKHAIL		HIZBE	SCA	MD	
3	JAJI		HIZBE	SCA	NURSE	
3	ZORMAT		HIZBE	SCA	PHARM	
3	SAID KARAM		HIZBE	SCA	MD	
** Subtotal **						
** NAME OF PROVINCE = PARWAN						
1	NIJRAB	AJOLAN	H.I.A.H	SCA	MIDLV	
2	KOHISTAN	KHAMI ZARGAR	HIZBE	SCA	OTHER	

LIST OF ALL GREENBOOKS DATASETES # 1-5
BY PROVINCE
CMC/P.

Datasets:	District:	Village:	Party:	Type:	Level:	Number of Books...
3	SURKH PARSA		JAMIAT	SCA	NURSE	
4	FENDRQUISTAN	FENDERQUISTAN	HIZBE H	FM	MIDLV	
4	SURKH PARSA	FENDAQISTAN	HIZBE H	FM	MIDLV	
5	PANJSHIR	ROKHA	JAMIAT	SCA	NURSE	
** Subtotal **						
** NAME OF PROVINCE = TAKHAR						
1	TALOQAN	SHOR	JAMIAT	SCA	OTHER	
3	FARKHAR	YUKH	JAMIAT	SCA	MD	
** Subtotal **						
** NAME OF PROVINCE = WARDAK						
1	MAIDANSHAR	CHARYAKA	HARAKAT	MTA	MIDLV	
1	MAIDANSHAR	CHARYAKA	HARAKAT	MTA	MIDLV	
1	CHAK	NIKPAIKOL	HARAKAT		MD	
1	CHAK	NIKPAIKOL	HARAKAT		OTHER	
1	SAID ABAD	GULI KHAIL	HARAKAT		MD	
1	JAGHATU	GANDAKOL	H.I.A.H		MD	
1	SAID ABAD	AB.MAHAYODDIN	NIFA	MTA	MIDLV	
1	SAID ABAD	SHADI BACH	HARAKAT	SCA	OTHER	
2	JAGHATU	KANDAOOL	HIZBE	MTA	MD	
2	JAGHATU	AB.MAHAYODDIN	NIFA	SCA	NURSE	
3	JAGHATU		HIZBE K	SCA	MD	
3	CHAK		JAMIAT	SCA	NURSE	
** Subtotal **						
** NAME OF PROVINCE = ZABUL						
5	SHAHJOI	JAMAL KHEL	HARAKAT	SCA	OTHER	
* Subtotal **						
*** Total ***						

FREQUENCY OF ICD DISEASE CATEGORIE

IMC AND CMC DATASETS



List of all IMC and CMC counts: DATE 11-OCT-1990

NAME	Class	IMC COUNT	CMC COUNT
PREVENTIVE & HEALTH SERVICES	1.00	1	0
PROCEDURES & OTHER ACTIVITIES	2.00	49	238
INFECTIOUS & PARASITIC DISEASE	3.00	3352	3945
NEOPLASMS	4.00	2	5
ENDOCRINE, NUTRI., META. DIS.	5.00	124	47
DISEASES OF BLOOD	6.00	320	494
MENTAL DISORDERS	7.00	51	47
NERVOUS & SENSORY SYSTEM DIS.	8.00	1219	1128
CIRCULATORY SYSTEM DISEASE	9.00	265	211
RESPIRATORY SYSTEM DISORDERS	10.00	3487	2938
DISEASES OF THE DIGESTIVE SYS.	11.00	1680	1712
GENITO URINARY DISORDERS	12.00	587	430
PREGNANCY-RELATED PROBLEMS	13.00	53	23
SKIN AND RELATED DISORDERS	14.00	906	760
MUSCULOSKELETAL & RELATED DIS.	15.00	1208	858
SYMPTOMS, SIGNS & ILL-DEFINED	16.00	1307	1530
INJURY & POISONING	17.00	176	541
PERINATAL PROBLEMS	18.00	0	0
DEATH	20.00	0	0
NOT AVAILABLE, CANNOT READ	99.00	213	93
		15000	15000

NUMBER OF ALL AGE IMC GREENBOOK DATASET 2-6.

AGE	NUMBER	% OF TOTAL
1 - 4	2160	14.40 %
5 - 14	2503	16.69 %
FEMALE TOTAL > - 15	2821	18.80 %
MALE TOTAL > - 15	7198	47.99 %
NOT RECORDED	318	2.12 %
TOTAL	15000	100.00 %

CMC GREENBOOK CODING LIST

CLASS:	CODE:	NAME OF PROBLEM:
1.10	EDUC	HEALTH EDUCATION, NO ILLNESS
1.20	WELL	WELL BABY, WELL BABY CHECK
1.20	WELL	UNDER 5 PREVENTIVE CARE, GROWT
1.21	IMMUN	IMMUNIZATION, VACCINATION
1.30	PREN	ANTENATAL CARE
1.30	PREN	PRE-NATAL CARE VISIT
1.40	FP	FAMILY PLANNING
1.40	FP	CHILD SPACING SERVICES
1.50	MEDEX	NOTHING WRONG, CURIOSITY,ETC.
1.50	MEDEX	MEDICAL EXAMINATION,NO DISEASE
1.90	SERV	OTHER SERVICES (SPECIFY)
2.10	HOSP	REFERRAL TO HOSPITAL
2.10	HOSP	HOSPITALIZED
2.11	REFER	REFERRAL ELSEWHERE (PAKISTAN)
2.20	DEL	DELIVERY WITHOUT COMPLICATION
2.21	DELC	COMPLICATED DELIVERY
2.30	I&D	INCISION & DRAINAGE
2.30	I&D	I&D
2.40	WC	WOUND CARE
2.40	WC	DRESSING OF WOUND
2.40	WC	WASHING (OF WOUND)
2.50	C&S	CASTING & SPLINTING
2.51	CAST	CASTING
2.52	SPLIN	SPLINTING
2.53	TRACT	TRACTION
2.60	AMPF	AMPUTATION (FOLLOW-UP CARE)
2.61	AMPI	AMPUTATION (INITIAL PROCEDURE)
2.70	CIRC	CIRCUMCISION
2.80	SURGM	OTHER MINOR SURGERY
2.81	DEBRI	MAJOR DEBRIDEMENT
2.82	CUTIV	CUTDOWN IV
2.83	2SUT	SECONDARY CLOSURE
2.84	SUT	SUTURE (PRIMARY CLOSURE)
2.85	CTAP	CHEST TUBE OR TAP
2.86	THORC	THORACOTOMY
2.87	CRICO	CRICOTHYROIDOTOMY
2.88	LAPAR	LAPAROTOMTY
2.90	SURG	SURGERY UNKNOWN PROCEDURE
3.10	CHOL	CHOLERA
3.11	TYPH	TYPHOID & PARATYPHOID
3.11	TYPH	TYPHOID
3.11	TYPH	ENTERIC FEVER
3.12	DYS	DYSENTARY
3.13	BDYS	BACILLARY DYSENTARY
3.14	DIA	ACUTE DIARRHOEA
3.14	DIA	DIARRHEA, NO BLOOD/MUCUS
3.14	DIA	GASTROENTERITIS
3.14	DIA	VIRAL GASTROENTERITIS
3.14	DIA	DIARRHEA
3.15	A&G	AMOEBIASIS, GIARDIASIS
3.16	AMEB	AMOEBIC DYSENTARY
3.16	AMEB	AMOEBIASIS

INTRODUCTION

SECTIONS 1-4: Description of findings by the CMC from the the combined datasets #1-5. Each set contains 3000 entries from green books received at the CMC office from CMC member committees. The combined dataset is 15,000 entries. Using 1:10 sampling, these entries represent 150,000 clinic visits.

Green books were entered from healthworkers of SCA, NCA, MTA, and FM. These green books come from all areas of Afghanistan (see listing by province and pie graph). It also reflects different levels of practitioners, from graduate MD to first-aider (see list of practitioner levels).

Total number of books entered is 156 for an average of 96 sample entries per book, average 31 books per dataset. The RX database program, compatible with Database III+, was adopted from MSH.

The tabulations presented show findings in four areas:

1) Geographical distribution of dataset clinics/HWs
2) Reported prevalence of disease by WHO disease categories
3) Volume of prescribed medications and #Rx/Dx
4) Reported age-sex distribution of clinic patients

There is no attempt here to summarize all available data. There is no look at party affiliation, differentiation between times of year, differentiation between geographical zones, or analysis regarding cost or appropriateness of treatment, although all of these are available on computer. For the future, these are questions that CMC members may want to address. Multivariate analysis integrating more than one variable into the equation are beyond the scope of Database III+.

There were 200 different disease entities recorded which were organized into 20 groups according to the internationally recognized WHO International Classification of Disease Scheme (see Section 6).

SECTION 5: Shows 3 graphic comparisons between the CMC dataset (15,000 entries) and a completed IMC dataset of IMC mid-level healthworkers (15,000 entries) collected from 31 different IMC clinics. Results of disease prevalence and patient populations between the two datasets are similar, as shown in the graph and tables.

SECTION 6: A listing of the diagnosis numbers, codes, and names used in CMC and IMC (and MSH) computer data entry. All green book diagnoses are correlated with an ICD name and number found on this list.

CMC GREENBOOK CODING LIST

CLASS:	CODE:	NAME OF PROBLEM:
3.17	GIAR	GIARDIA
3.18	FOOD	FOOD POISONING
3.19	CDIA	CHRONIC DIARRHOEA
3.20	TB	TUBERCULOSIS (ALL TYPES)
3.21	TBR	TUBERCULOSIS,PULMONARY (RESP.)
3.22	TBO	TUBERCULOSIS,OTHER (NON-RESP.)
3.23	TBS	TUBERCULOSIS, SUSPECTED
3.30	LEP	LEPROSY
3.41	MEAS	MEASLES
3.42	WHOOP	WHOOPING COUGH, PERTUSSIS
3.42	WHOOP	PERTUSSIS
3.43	TET	TETANUS
3.45	DIPTH	DIPTHERIA
3.46	POLIO	POLIOMYELITIS
3.46	POLIO	PARALYSIS FROM POLIO
3.46	POLIO	POLIO
3.47	MUMP	MUMPS
3.48	POX	CHICKEN POX
3.50	MAL	MALARIA
3.60	WORM	INTESTINAL PARASITES, WORMS
3.60	WORM	INTESTINAL WORMS
3.61	TAPE	TAPEWORM
3.62	HOOK	HOOKWORM
3.63	ASCAR	ASCARIASIS
3.64	ROUND	ROUNDWORM
3.65	PIN	PINWORM
3.70	SCAB	SCABIES
3.71	LICE	LICE
3.80	LEISH	LEISHMANIASIS
3.80	LEISH	TROPICAL SKIN ULCER
3.81	HEP	INFECTIOUS HEPATITIS
3.81	HEP	HEPATITIS, UNSPECIFIED
3.82	ANTHX	ANTHRAX
3.90	INF	INFECTIOUS DISEASE, OTHER
3.91	PARA	PARASITIC DISEASES, OTHER
4.00	CA	NEOPLASMS (BENIGN & MALIGNANT)
4.00	CA	CANCER
4.00	CA	TUMOR
4.00	CAM	CANCER, MALIGNANT
5.10	NUT	MALNUTRITION: PROTEIN &/OR CAL
5.11	KWASH	KWASHIORKOR
5.12	MARA	MARASMUS
5.20	VITA	VITAMIN A DEFICIENCY, XEROPHTH
5.20	VITA	XEROPTHALMIA
5.20	VITA	NIGHT BLINDNESS
5.21	AVIT	AVITAMINOSIS, UNSPECIFIED
5.21	AVIT	VITAMIN DEFICENCY
5.30	GOIT	GOITER
5.31	THY	THYROTOXICOSIS
5.40	DM	DIABETES
5.42	VITB	VITAMIN B1 DEFICIENCY
5.80	ENDO	ENDOCRINE & METABOLIC

CMC GREENBOOK CODING LIST

CLASS:	CODE:	NAME OF PROBLEM:
5.90	NUTO	OTHER NUTRITIONAL DEFICIENCY
6.10	ANEM	ANAEMIAS
6.90	BLODO	OTHER BLOOD DISEASES
7.10	PSY	PSYCHOSIS
7.20	NEUR	NEUROSIS & PERSONALITY DIS.
7.20	NEUR	NERVES
7.30	ANX	ANXIETY
7.40	DEP	DEPRESSION
7.50	INSOM	INSOMNIA
7.50	INSOM	SLEEPLESSNESS
7.60	DRUG	DRUG ADDICTION OR WITHDRAW
7.70	MR	MENTAL RETARDATION
7.90	PSY	MENTAL/PSYCHIATRIC OTHER
8.10	CONJ	CONJUNCTIVITIS
8.11	CONJB	CONJUNCTIVITIS, BACTERIAL
8.12	CONJV	CONJUNCTIVITIS, VIRAL
8.13	CONJA	CONJUNCTIVITIS, ALLERGIC
8.14	STY	STYE
8.15	CAT	CATARACT
8.16	BLIND	REDUCED OR POOR VISION
8.16	BLIND	LIMITED VISION
8.20	TRAC	TRACHOMA
8.30	OE	OTITIS EXTERNA
8.31	WAX	EAR WAX
8.32	EARDC	EAR DISCHARGE
8.40	OM	OTITIS MEDIA
8.41	AOM	ACUTE OTITIS MEDIA
8.42	COM	OTITIS MEDIA, CHRONIC
8.43	MASTO	MASTOIDITIS
8.50	EPI	ACUTE CONVULTIONS,SEIZURES
8.51	EPIC	EPILEPSY CHRONIC
8.60	MEN	MENINGITIS
8.90	NSO	NERV.SYS.& SENSE ORGAN, OTHER
9.10	HTN	HYPERTENSION
9.10	HTN	HIGH BLOOD PRESSURE
9.20	HEART	HEART PROBLEM, UNSPECIFIED
9.21	CHF	CONGESTIVE HEART FAILURE
9.21	CHF	CHF
9.21	CHF	HEART FAILURE
9.22	LBP	LOW BLOOD PRESSURE
9.23	CRHD	CHRONIC RHEUMATIC HEART DIS.
9.24	IHD	HEART ATTACK
9.25	CP	CHEST PAIN, ANGINA
9.30	CVD	STROKE
9.40	CAH	CONG.ANOM.HEART & CIRC.SYS.
9.90	CIRCO	OTHER DISEASES OF CIRCULATORY
10.10	URI	ACUTE UPPER RESPIRATORY INF.
10.10	URI	COLD, COMMON COLD
10.10	URI	COMMON COLD
10.11	RHIN	RHINITIS, ALLERGIC
10.12	CROUP	CROUP
10.13	LARYN	LARYNGITIS

CMC GREENBOOK CODING LIST

CLASS:	CODE:	NAME OF PROBLEM:
10.20	THROT	SORE THROAT
10.21	TON	TONSILLITIS (BACTERIAL) & PHAR
10.21	TON	PHARYNGITIS
10.21	TON	TONSILLITIS
10.22	EPIG	EPIGLOTITIS
10.25	SIN	SINUSITIS
10.30	BROCH	ACUTE BRONCHITIS
10.30	BROCH	BRONCHITIS
10.40	PNEU	PNEUMONIA
10.50	CBRO	CHRONIC BRONCHITIS
10.50	CBRO	EMPHYSEMA
10.60	ASTHM	ASTHMA
10.70	EPX	EPISTAXIS, NOSE BLEED
10.80	COUGH	COUGH
10.90	RSO	RESPIRATORY SYSTEM DIS., OTHER
10.91	LRI	OTHER LOWER RESP DISEASE
11.10	TEE	TOOTHACHE, DENTAL CARIES
11.10	TEE	CARIES
11.10	TEE	TOOTHACHE
11.12	DEN	DENTAL ABCESS
11.13	MOU	MOUTH SORES
11.13	MOU	STOMATITIS
11.14	GING	MOUTH INFECTION
11.14	GING	GINGIVITIS
11.20	GAS	GASTRITIS, HEARBURN, INDIGESTI
11.20	GAS	GASTRITIS
11.20	GAS	HYPERACIDITY
11.20	GAS	HEARTBURN
11.21	ULC	GASTRIC ULCER
11.22	ULCB	ULCER, VOMITING BLOOD
11.30	ABD	ACUTE ABDOMINAL PAIN
11.30	ABD	ABDOMINAL PAIN (UNKNOWN CAUSE)
11.32	APPY	APPENDICITIS
11.50	HERN	CHRONIC HERNIA, NO OBSTRUCTION
11.51	IOH	ACUTE HERNIA WITH OBSTRUCTION
11.70	CLEFT	CLEFT PALATE & CLEFT LIP
11.81	HEMOR	HEMORRHOIDS
11.82	CONST	CONSTIPATION
11.85	CLCC	GALLBLADDER DISEASE
11.90	DSO	DIGESTIVE SYSTEM DIS., OTHER
11.91	DENO	DIS. TEETH & SUPPORTING STRUCT
12.10	UTI	CYSTISIS & URINARY TRACT INFEC
12.10	UTI	CYSTITIS
12.10	UTI	U.T.I.
12.10	UTI	URINARY TRACT INFECTION
12.11	URETH	URETHRITIS
12.12	PROS	PROSTATITIS
12.13	EPID	EPIDYDYMITIS
12.15	NEPH	PYLONEPHRITIS
12.20	STONE	RENAL COLIC, URINARY TCT. ST.
12.20	STONE	COLIC, RENAL
12.20	STONE	STONES, URINARY TRACT

CMC GREENBOOK CODING LIST

CLASS:	CODE:	NAME OF PROBLEM:
12.20	STONE	URINARY TRACT STONES
12.20	STONE	KIDNEY STONE
12.30	VD	VAGINITIS, GONORHHEA & P.I.D.
12.31	TRICH	TRICHOMONAL INFECTION
12.32	YEAST	VAGINAL YEAST INFECTION
12.32	YEAST	VAGINAL CANDIDIASIS
12.33	VAG	VAGINITIS (UNSPECIFIED)
12.34	PID	PELVIC INFECTION
12.40	MENS	MENSTRUAL PROBLEMS
12.40	MENS	IRREGULAR MENSES
12.41	AMEN	AMENORRHOEA
12.50	IMPOT	IMPOTENCE
12.51	STERL	STERILITY
12.52	INFER	INFERTILITY
12.61	GC	GONORRHEA (NO MICROSCOPY)
12.61	SYPH	SYHPILIS, OTHER
12.70	GYN	GYNECOLOGICAL, NON-SPECIFIED
12.80	RET	URINARY RETENTION
12.90	GUO	GENITOURINARY DISORDERS,OTHER
13.01	PREG	PREGNANCY
13.10	ABOR	SPONTANEOUS ABORTION
13.10	ABOR	ABORTION
13.11	OBBL	BLEEDING DURING PREGNANCY
13.11	OBBL	THREATENED ABORTION
13.20	PREGP	PROBLEMS IN PREGNANCY
13.21	TOX	TOXEMIA IN PREGNANCY
13.30	PPART	POST-PARTUM PROBLEMS
13.31	PPBLE	POSTPARTUM BLEEDING
13.32	PUER	POST-PARTUM INFECTION
13.32	PUER	SEPSIS OF CHILDBIRTH
13.33	MAST	MASTITIS, BREAST ABSCESS
13.33	MAST	BREAST ABSCESS
13.39	CPCP	OTHER COMPLICATION CHILDBIRTH
14.10	SKINB	BACTERIAL SKIN INFECTION
14.11	ABS	ABSCESS
14.11	ABS	BOIL
14.12	IMP	IMPETIGO
14.13	IW	INFECTED WOUND
14.14	CELL	CELLULITIS
14.20	DERM	DERMATITIS & ECZEMA
14.20	DERM	ECZEMA
14.21	DRY	DRY SKIN
14.30	FUNG	FUNGAL INFECTION
14.30	FUNG	CANDIDIASIS
14.30	FUNG	RINGWORM
14.30	FUNG	TINEA
14.31	URTIC	URTICARIA OR HIVES
14.31	URTIC	HIVES
14.32	SKINA	ALLERGIC SKIN REACTION
14.60	ACNE	ACNE
14.90	SKINO	SKIN & SUBCUTANEUS PROBS,OTHER
15.10	JOINT	JOINT PAIN & ARTHRITIS

CMC GREENBOOK CODING LIST

CLASS:	CODE:	NAME OF PROBLEM:
15.11	ARTHA	ACUTE ARTHRITIS
15.12	OA	OSTEOARTHRITIS
15.12	RA	RHEUMATOID ARTHRITIS
15.12	OA	DJD, DEGENERATIVE JOINT DIS.
15.13	ARTHS	SEPTIC ARTHRITIS
15.14	RHEU	RHEUMATISM
15.20	BACK	LOW BACK PAIN
15.20	BACK	LUMBAGO
15.20	BACK	BACK PAIN
15.21	SCIA	SCIATICA
15.31	OSTEO	OSTEOMYELITIS-ACUTE
15.32	OSTCR	OSTEOMYELITIS-CHRONIC
15.33	PYOMY	PYOMYOSITIS
15.80	PFX	PATHOLOGICAL FRACTURE
15.90	MSO	MUSCULOSKELETAL &RELATED,OTHER
16.10	HA	HEADACHE
16.20	PAIN	PAIN
16.20	PAIN	GENERAL BODY PAIN
16.20	PAIN	TOTAL BODY PAIN
16.20	PAIN	ACHES
16.20	PAIN	BODY ACHE
16.30	FEVER	FEVER
16.40	WEAK	WEAKNESS, MALAISE, FATIGUE
16.40	WEAK	FATIGUE
16.40	WEAK	MALAISE
16.50	VOMIT	VOMITING
16.51	NAUS	NAUSEA
16.60	ITCH	ITCHING
16.60	ITCH	PRURITIS
16.61	LYM	LYMPHADENOPATHY
16.61	LYM	ADENTITIS
16.70	DIZ	DIZZINESS
16.71	VERT	VERTIGO
16.72	JAUN	JAUNDICE
16.73	DEHY	DEHYDRATION
16.74	OED	OEDEMA (UNSPECIFIED)
16.75	PARAL	PARALYSIS, VARIOUS CAUSES
16.76	BLEED	BLEEDING, UNSPECIFIED
16.81	ANA	ANAPHYLAXIS
16.82	SOB	SHORTNESS OF BREATH
16.83	ALL	ALLERGY UNSPECIFIED-NOT SKIN
16.84	WL	WEIGHT LOSS
16.90	OTHER	OTHER SYMPTOMS, SIGNS, CONDITI
17.10	WAR	WAR TRAUMA (BATTLE)
17.11	WARFX	FRACTURES DUE TO WAR
17.14	WARPA	PARALYSIS DUE TO WAR
17.20	MINE	MINE INJURIES
17.30	TRAUM	NON-WAR TRAUMA
17.40	BURN	BURNS (UNSPECIFIED DEGREE)
17.41	MBURN	MILD BURN
17.42	SBURN	SEVERE BURN
17.50	BITE	SNAKE BITE, OTHER BITES, STING

CMC GREENBOOK CODING LIST

CLASS:	CODE:	NAME OF PROBLEM:
17.50	BITE	SNAKE BITE
17.50	BITE	INSECT BITE
17.50	BITE	BEE BITE
17.50	BITE	BITES, HUMAN, ANIMAL, OTHER
17.60	FB	FOREIGN BODY
17.61	FBEYE	FOREIGN BODY EYE
17.70	CUT	CUTS, LACERATIONS, SUPERF.INJ.
17.71	WOUND	WOUND OPEN, LACERATION
17.72	BRUIS	CONTUSION OR BRUISE
17.73	SPR	SPRAIN,STRAIN OR DISLOCATION
17.74	DIS	DISLOCATIONS
17.75	FRAC	FRACTURES, ANY SITE(SPECIFIED)
17.76	OFRAC	OPEN OR COMPOUND FRACTURE
17.77	AMPTR	TRAUMATIC AMPUTATION
17.78	AMPU	AMPUTATION, UPPER EXTREMITY
17.79	AMPL	AMPUTATION, LOWER EXTREMITY
17.80	FXACC	FRACTURES, ACCIDENTAL
17.81	SHOCK	SHOCK AND ACUTE HEMMORHAGE
17.82	CRAN	CONCUSSION AND HEAD INJURY
17.83	POIS	POISONING
17.90	INJ	INJURY AND POISONING, OTHER
17.90	INJ	TRAUMA OR INJURY
18.10	BI	BIRTH INJURY
18.20	PMORT	PERINATAL MORTALITY
18.20	PMORT	FETAL OR NEWBORN DEATH
20.00	DEATH	DEATH
20.00	DEATH	MORTALITY
99.00	NA	NOT AVAILABLE, CANNOT READ

1. DISTRIBUTION OF DISEASE BY PRIMARY DIAGNOSIS (15,000 ENTRIES)

Code	Category	Count	% of Total
1.00	Preventive & Health Services	0	0 %
2.00	Procedures & Other Activities	238	2 %
3.00	Infectious & Parasitic Diseases	3945	26 %
4.00	Neoplasms	5	0 %
5.00	Endocrine, Metab., Nutrit. Dis.	47	0 %
6.00	Blood Diseases	494	3 %
7.00	Mental Disorders	47	0 %
8.00	Nervous & Sensory Sys. Disorders	1128	8 %
9.00	Circulatory System Disease	211	1 %
10.00	Respiratory System Disorders	2938	20 %
11.00	Digestive System Disorders	1712	11 %
12.00	Genito-Urinary Disorders	430	3 %
13.00	Pregnancy-Related Problems	23	0 %
14.00	Skin and Related Disorders	760	5 %
15.00	Musculo-Skeletal Disorders	858	6 %
16.00	Ill-Defined Signs and Symptoms	1530	10 %
17.00	Injury & Poisoning	541	4 %
18.00	Perinatal Problems	0	0 %
20.00	Death	0	0 %
99.00	Not available/Cannot read	93	1 %
	TOTAL	15,000	99 %

Counts of specific disease entities, such as malaria or amoebiasis, are available on printout at the CMC office.

The 5 categories comprising the highest prevalences of disease are:

Infectious and Parasitic Disease	(26%)
Respiratory Diseases	(20%)
Digestive System Disorders	(11%)
Ill-defined Signs and Symptoms	(10%)
Nervous and Sensory System Disorders	(8%)

The types of diseases being treated are more or less what one expects to see in an impoverished third-world setting. More telling than what is being treated is to look at what is not being treated:

1. Preventive and Health Services 0/0%. Despite the fact that training programs are teaching health prevention including health education, there are no entries for such services. Also absent are any pre-natal checks or well-baby checks. Perhaps such services are provided but are not entered in the green books, or more probably, the population is served by traditional providers, if such services are provided at all.

2. Perinatal Problems 0/0%. According to the UNICEF 1989 Annual Report, Afghanistan has the highest infant mortality rate in the world at 300 deaths per 1000 live births. Obviously, CMC-member health providers are not addressing, for whatever the reasons, this huge deficit in health services delivery.

3. Death 0/0%. Patients are not dying in the clinics, unless such deaths are simply not reported. Severely ill or injured patients may 1) not survive transport to the clinic, 2) be treated at home, or 3) be referred to a higher level facility for treatment. It is surprising to suppose that no severely injured patients die in the clinics--given monitoring/survey information, we know it is not unheard of for injured patients to expire there.

4. Neoplasms 5/0%. Most health providers are not trained to diagnose and treat neoplastic disease. Prevalence of neoplastic disease is anyway probably low in the presence of so much other acute and chronic disease afflicting the population.

5. Pregnancy-Related Problems 23/0%. That CMC-member HWs are rarely involved in problems related to pregnancy is well-known. Maternal mortality and morbidity is high. How to address this problem is one of the major challenges of health care delivery in Afghanistan.

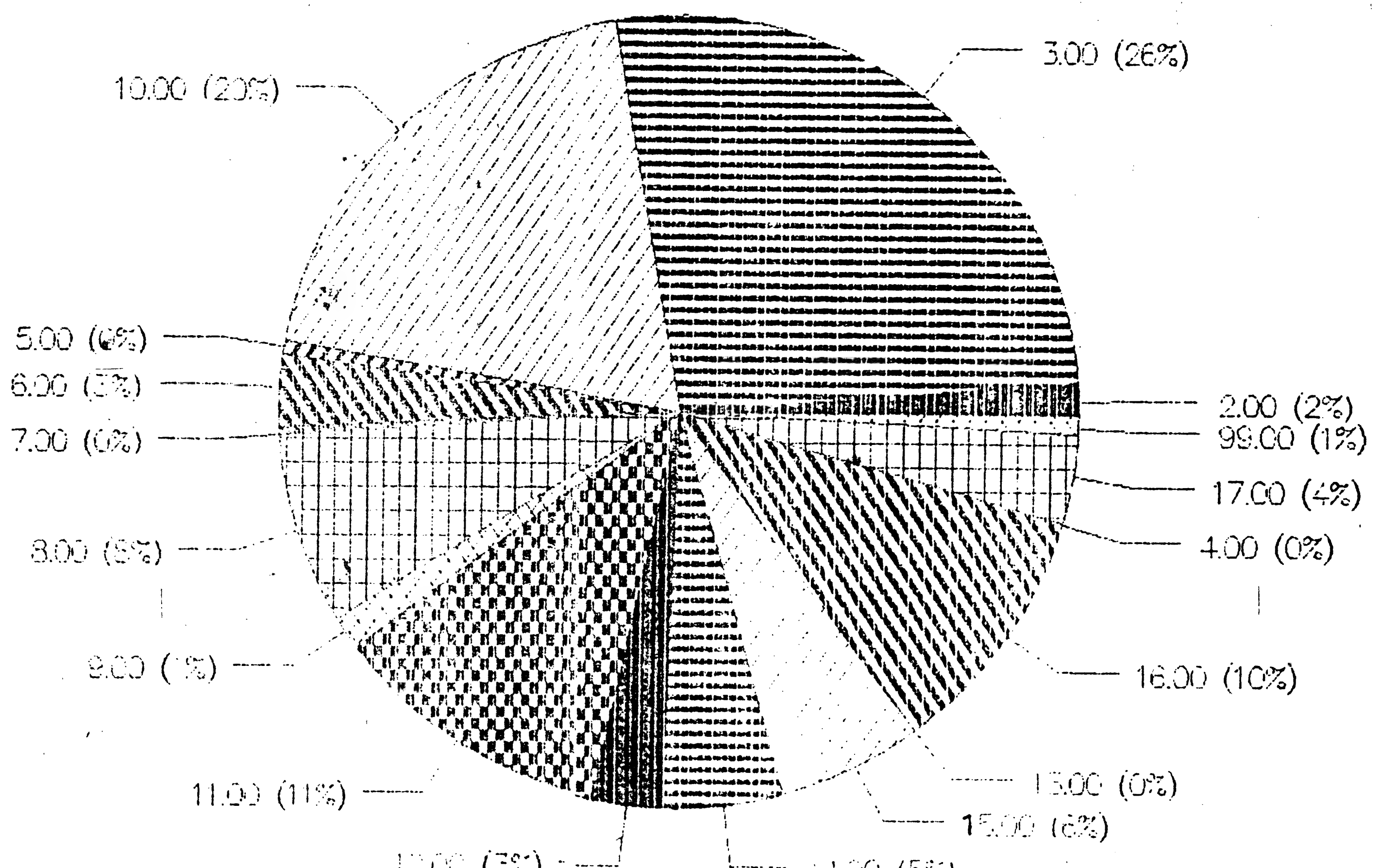
6. Mental Disorders 47/0%. Given the widespread prevalence of war stress and family disintegrations, psychiatric disease is largely untreated by CMC-member HWs. The people are more likely to utilize traditional mental health practitioners such as mullahs and hakims, especially since mental disorders are often attributed to evil spirits (jinns).

7. Endocrine, Nutritional, Metabolic Disorders 47/0%. Despite reports of famine from time to time, malnutrition is only infrequently encountered, and then it is usually seen in babies whose mothers are failing to nurse. The Afghan diet, however, is often poor, contributing to susceptibility to disease.

8. Injury and Poisoning 541/4%. The CMC member committees having training programs had an early emphasis on trauma management. Studies since that time show an average of 3 to 4 % of clinic visits for "injury". Previous work shows that the majority of these (2/3) are the result of domestic accidents rather than war trauma (1/3).

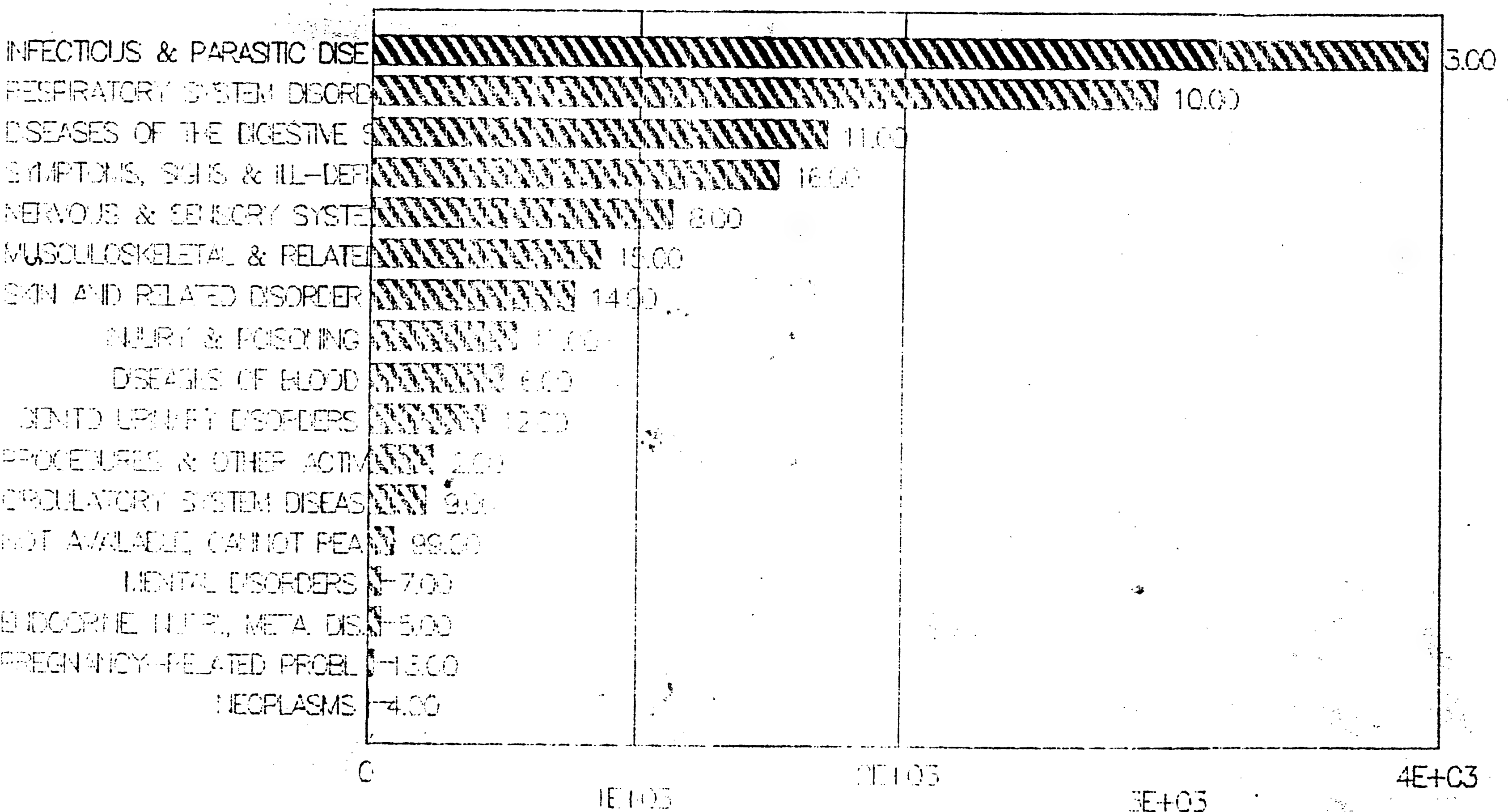
FREQUENCY OF ICD DISEASE CATEGORIE

CMC DATASETS # 1–5 CMC OCTOBER 1990



FREQUENCY OF ICD DISEASE CATEGORIES

CMC DATASETS # 1–5



CMC TOBER 1990

2. DRUG USAGE

Briefly, some preliminary findings about use of drugs shows the following:

Aggregating the diagnoses for all 15,000 clinic visits without discriminating for health worker level, there were 15,640 diagnoses (4.3% of visits resulted in more than one diagnosis). These 15,640 diagnoses were treated with 28,898 medication prescriptions.

Overall: 28898 Rx/15640 Diagnoses = 1.85 Rx/Diagnosis

To compare with the IMC 15,000 clinic visits, where IMC mid-level health workers were diagnosing and prescribing, there were 16,156 diagnoses (7.7% of visits resulted in more than one diagnosis). These 16,156 diagnoses were treated with 26,545 medication prescriptions.

IMC: 26545 Rx/16156 Diagnoses = 1.64 Rx/Diagnosis

An average of less than 2 medications per diagnosis is a reasonable amount, and argues against widespread overprescription and overconsumption of medications. However, not all prescriptions are necessarily entered, and patients are often given prescriptions for additional medications to purchase in the bazaar. There is no checking to see if quantities of medicines supplied by the committees match quantities of medicines prescribed by their healthworkers.

NOTE #1: A HW's prescription pattern is influenced by training, availability of medicine, patient severity of illness, and social pressures to prescribe.

NOTE #2: The # of prescriptions per diagnosis figures convey nothing about the correctness of medicines prescribed.

LIST OF ALL LEVEL DATASETS # 1-5
CMC/P.

NUMBER OF
LEVEL...:

** SET LEVEL = A.MED
** Subtotal **
1

** SET LEVEL = D-DR
** Subtotal **
1

** SET LEVEL = D.AS
** Subtotal **
2

** SET LEVEL = MD
** Subtotal **
36

** SET LEVEL = MIDLV
** Subtotal **
52

** SET LEVEL = NURSE
** Subtotal **
28

** SET LEVEL = OTHER
** Subtotal **
32

** SET LEVEL = PHARM
** Subtotal **
2

** SET LEVEL = SD.MD
** Subtotal **
2

*** Total ***
156

3. AGE-SEX DISTRIBUTION OF CLINIC PATIENTS

In the absence of information about clinic work settings, ie. village location vs. remote location vs. muj post location, and about HW characteristics, ie. age and marital status, little inference can be drawn about variations in clinic patient populations. In general, clinics in village locations treat more women and children. Clinics in isolated kararga (mujahideen post) settings treat mostly men.

AGE-SEX	NUMBER	% OF TOTAL
1 - 4	1561	10.40 %
5 - 14	2520	16.80 %
FEMALE 15+	2320	15.47 %
MALE 15+	8599	57.33 %
TOTAL	15000	100 %

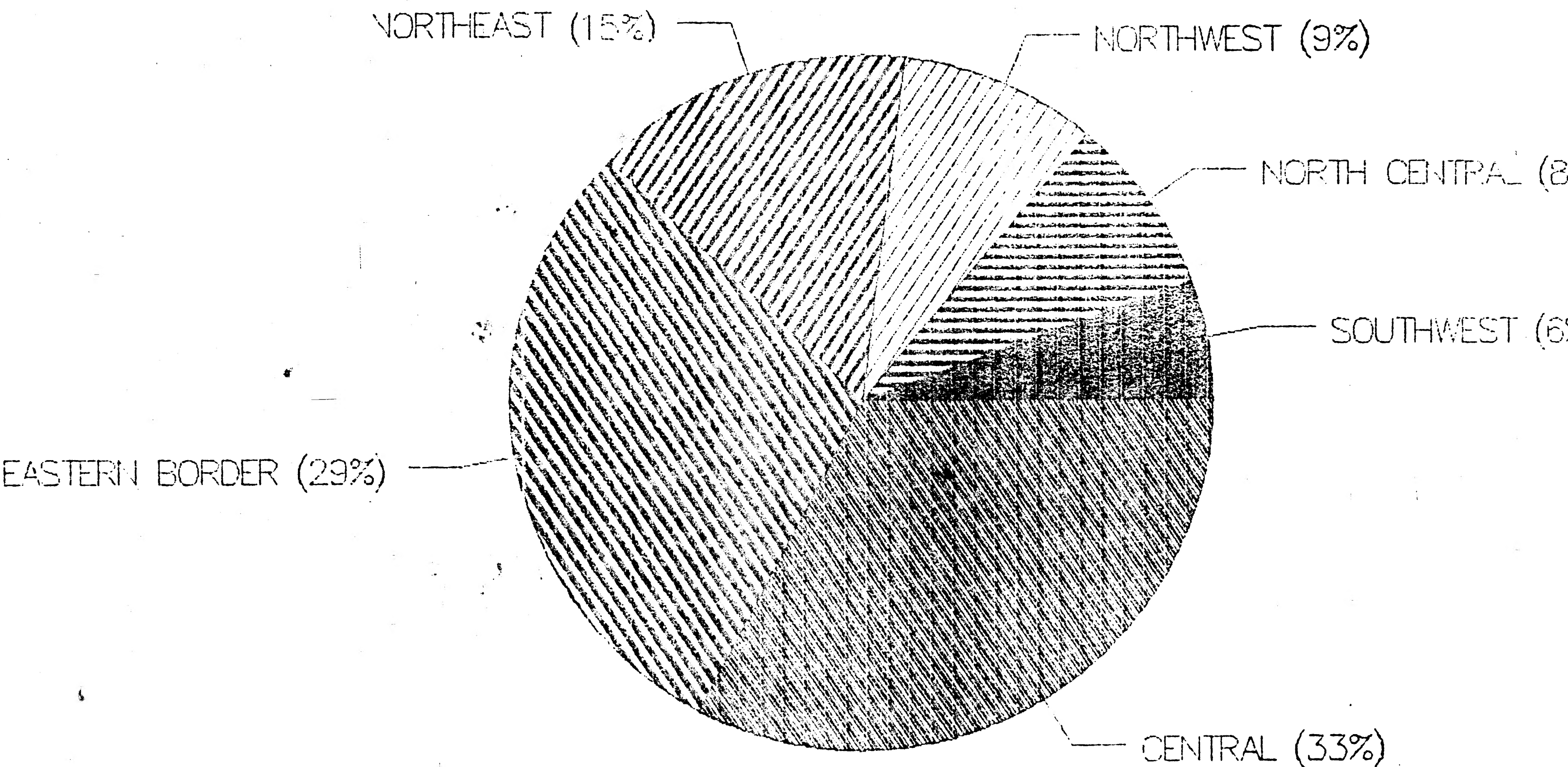
The age-sex distribution approximates what has been found in the past, ie. 25% children, 15% women, 60% men.

Women are underrepresented in clinic patient populations. Explanations for the reluctance of women to enter health clinics are well known. Women and children comprise almost half the total patient load, even though many women do not seek treatment in these clinics, particularly for gynecological/obstetrical complaints.

For comparison with IMC clinic patient population, see graph in Section 5.C.

GREENBOOKS BY GEOGRAPHICAL ZONE

DATASETS # 1–5 CMC AUGUST 1990



THE COORDINATION OF MEDICAL COMMITTEES

*   *
*   ANALYSIS OF GREEN BOOK DATA   *
*   *
*   SUMMARY REPORT #5   *
*   *
*   *

ANALYSIS OF GREEN BOOK DATA

SUMMARY REPORT #5

October 1990

The Coordination of Medical Committees
25-C Circular Road
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Peshawar, Pakistan

Tel. 42093

TABLE OF CONTENTS

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